

The Current State of Linux Video Production Software and its Developer Community

Richard Spindler
Linux Audio Conference 2009
Parma, Italy



High Priority Free Software Projects

Free software video editing software

... unable to achieve the effects they want using the current state of the art in free software video editing and production software....



Playback

- MPlayer
- VLC-Player
- Xine

Transcoding

- MEncoder
- ffmpeg
- x264
- Avidemux

Frameworks

- gstreamer
- ffmpeg – libavcodec – libavformat
- libquicktime
- MLT
- Gmerlin

Effects

- EffecTV
- Frei0r
- FreeFrame

Editors

- Cinelerra
- Kino
- Kdenlive (MLT)
- PiTiVi (gstreamer)
- Open Movie Editor (gmerlin)
- Lumiera

Solved Problems

- Image Processing
- Recording and Distribution Codecs

Open Problems

- OpenGL – Mesa – DRI - GPU
- Capture APIs
- Input Devices – MIDI
- Screen Capture
- Playout
- Intermediate Codecs
- Authoring, Distribution, Streaming
- Motion Tracking

Related Software

- OpenCV
- xvidcap
- unicap
- DVDStyler
- Avidemux
- giss.tv
- MathMap

Close Groups

- Blender – Compositing, Editing
- Embedded Developers?
- Codec Hackers
- Streaming Video Providers
- Media Center PC devs.

Communication

- Events
 - FOMS – Foundations of Open Media Software
 - LGM – Libre Graphics Meeting
 - Piksel
 - LAC – Linux Audio Conference
 - Linux Plumbers Conf
- Lists
 - libopenvideo

That's all folks,

:-)